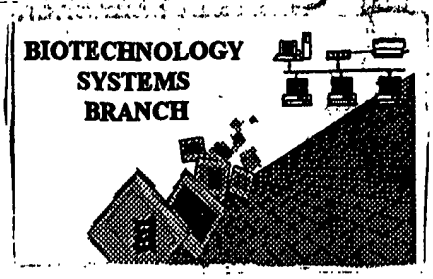

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/932,027
Source: PCT/09
Date Processed by STIC: 6/6/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom!
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/937,027

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11	Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/937,027

DATE: 06/05/2002
TIME: 17:34:05

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\06052002\I937027.raw

delete 0

Does Not Comply
Corrected Diskette Needed

P3

W--> 1 1
6 <110> APPLICANT: ZANGER, Ulrich
8 <120> TITLE OF INVENTION: Polymorphisms in the human CYP2B6 gene
9 and their use in diagnostic and therapeutic
10 applications
12 <130> FILE REFERENCE: VOS-19
C--> 14 **<140> CURRENT APPLICATION NUMBER: US/09/937,027**
C--> 15 **<141> CURRENT FILING DATE: 2002-05-02**
17 <150> PRIOR APPLICATION NUMBER: PCT/EP01/01456
18 <151> PRIOR FILING DATE: 2001-02-09
20 <160> NUMBER OF SEQ ID NOS: 64
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 18
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR
31 amplification of the human genomic DNA to generate a polynucleotide
32 which is capable of hybridizing to the CYP2B6 gene, and is useful for
33 genotyping of individual CYP2B6 alleles.
35 <400> SEQUENCE: 1
36 acattcactt gctcacct 18
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 18
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR
46 amplification of the human genomic DNA to generate a polynucleotide
47 which is capable of hybridizing to the CYP2B6 gene, and is useful for
48 genotyping of individual CYP2B6 alleles.
50 <400> SEQUENCE: 2
51 gtaaatacca cttgacca 18
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 24
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR
61 amplification of the human genomic DNA to generate a polynucleotide
62 which is capable of hybridizing to the CYP2B6 gene, and is useful for
63 genotyping of individual CYP2B6 alleles.

RAW SEQUENCE LISTING DATE: 06/05/2002
PATENT APPLICATION: US/09/937,027 TIME: 17:34:05

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Output Set: N:\CRF3\06052002\I937027.raw

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atcctactca gaatgatgca caac 24

<210> SEQ ID NO: 4
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.

<400> SEQUENCE: 4
attacaggtg agagtcatca catc 24

<210> SEQ ID NO: 5
<211> LENGTH: 19
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.

<400> SEQUENCE: 5
ggtctgccca tctataaac 19

<210> SEQ ID NO: 6
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.

<400> SEQUENCE: 6
ctgattcttc acatgtctgcg 21

<210> SEQ ID NO: 7
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.

<400> SEQUENCE: 7
tccctgggat ttaactgtac tcac 24

<210> SEQ ID NO: 8
<211> LENGTH: 24
<212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 06/05/2002
PATENT APPLICATION: US/09/937,027 TIME: 17:34:05

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\06052002\I937027.raw

<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.
<400> SEQUENCE: 8
cagaattggc ttggttggaa tcta 24

<210> SEQ ID NO: 9
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
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<400> SEQUENCE: 9
gacagaagga tgagggagga a 21

<210> SEQ ID NO: 10
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: artificial sequence
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ctccctctgt ctttcattct gt 22

insufficient - give source of genetic material (see item 11 on Error Summary Sheet)

(Please correct this error in subsequent sequences if shown)

<210> SEQ ID NO: 11
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.
<400> SEQUENCE: 11
gtgattattc attaattggg ttc 23

<210> SEQ ID NO: 12
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.
<400> SEQUENCE: 12

RAW SEQUENCE LISTING DATE: 06/05/2002
PATENT APPLICATION: US/09/937,027 TIME: 17:34:05

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\06052002\I937027.raw

199 tgcaatggtt gattgatgct c 21
202 <210> SEQ ID NO: 13
203 <211> LENGTH: 23
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR
209 amplification of the human genomic DNA to generate a polynucleotide
210 which is capable of hybridizing to the CYP2B6 gene, and is useful for
211 genotyping of individual CYP2B6 alleles.
213 <400> SEQUENCE: 13
214 tgagaatcag tggaagccat aga 23
217 <210> SEQ ID NO: 14
218 <211> LENGTH: 25
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR
224 amplification of the human genomic DNA to generate a polynucleotide
225 which is capable of hybridizing to the CYP2B6 gene, and is useful for
226 genotyping of individual CYP2B6 alleles.
228 <400> SEQUENCE: 14
229 taattttcga taatctcact cctgc 25
232 <210> SEQ ID NO: 15
233 <211> LENGTH: 19
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR
239 amplification of the human genomic DNA to generate a polynucleotide
240 which is capable of hybridizing to the CYP2B6 gene, and is useful for
241 genotyping of individual CYP2B6 alleles.
243 <400> SEQUENCE: 15
244 ataacagggt gcagaggca 19
247 <210> SEQ ID NO: 16
248 <211> LENGTH: 20
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR
254 amplification of the human genomic DNA to generate a polynucleotide
255 which is capable of hybridizing to the CYP2B6 gene, and is useful for
256 genotyping of individual CYP2B6 alleles.
258 <400> SEQUENCE: 16
259 aagtaccaag gcaagaagca 20
262 <210> SEQ ID NO: 17
263 <211> LENGTH: 19
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 06/05/2002
PATENT APPLICATION: US/09/937,027 TIME: 17:34:05

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\06052002\I937027.raw

<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.
<400> SEQUENCE: 17
ggctaattac caatctggt 19

<210> SEQ ID NO: 18
<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.
<400> SEQUENCE: 18
atatactccc ttccctgatg ca 22

<210> SEQ ID NO: 19
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<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.
<400> SEQUENCE: 19
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<210> SEQ ID NO: 20
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<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.
<400> SEQUENCE: 20
acctgcatct ctcagtgttt catt 24

<210> SEQ ID NO: 21
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<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A primer for use in PCR amplification of the human genomic DNA to generate a polynucleotide which is capable of hybridizing to the CYP2B6 gene, and is useful for genotyping of individual CYP2B6 alleles.

VERIFICATION SUMMARY DATE: 06/05/2002
PATENT APPLICATION: **US/09/937,027** TIME: 17:34:06

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF3\06052002\I937027.raw**

L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date